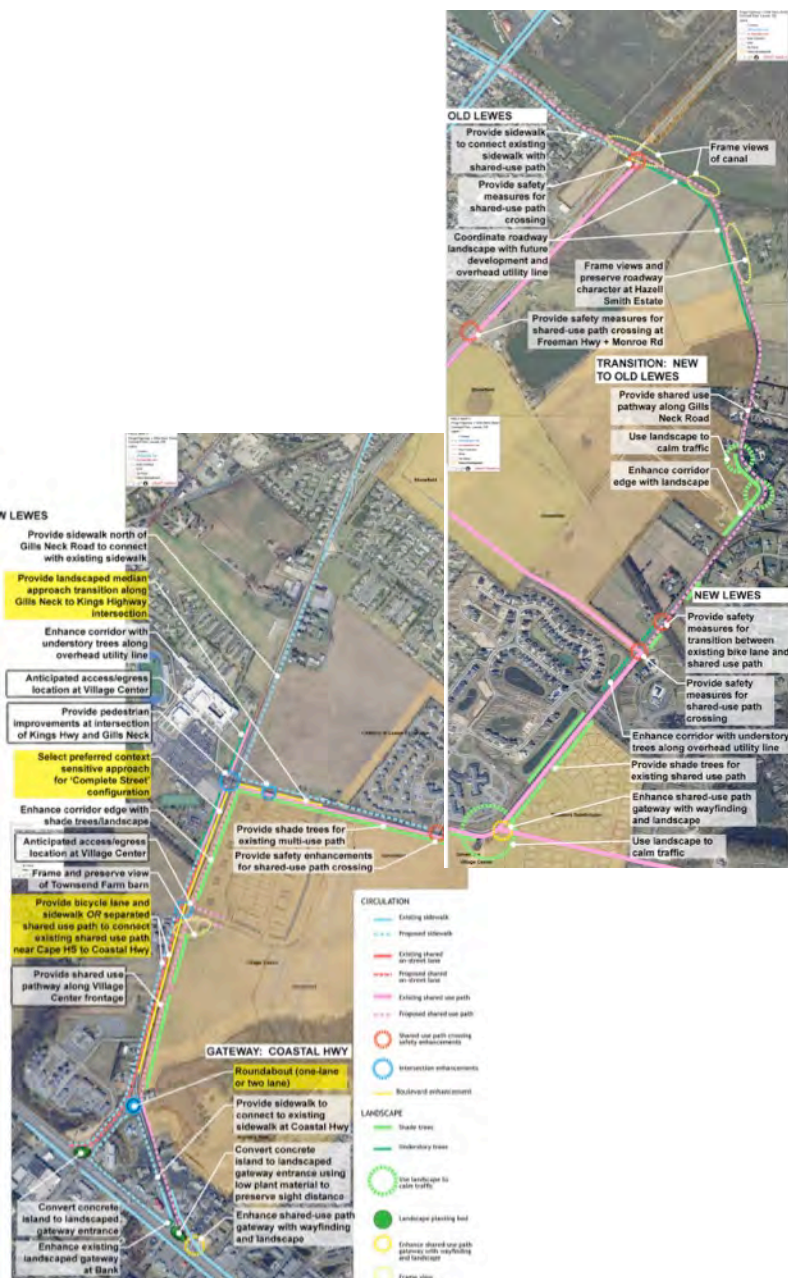


# Kings Highway-Gills Neck Road

Purpose: review and provide input  
to conceptual plans and illustrative  
drawings developed from Fall 2015  
Public Meeting

# Agenda

- Introductions/Purpose of the Master Plan
- Corridor Design Principles
  - Direction from CMP and Public Meeting
  - Design Guidance and Assumptions
- Design Elements
  - Roadway Configuration
  - Landscaped medians
  - traffic calming measures
  - Bicycle and pedestrian facilities
  - landscape design typology
- Application of Design Concepts



# Purpose of the Master Plan



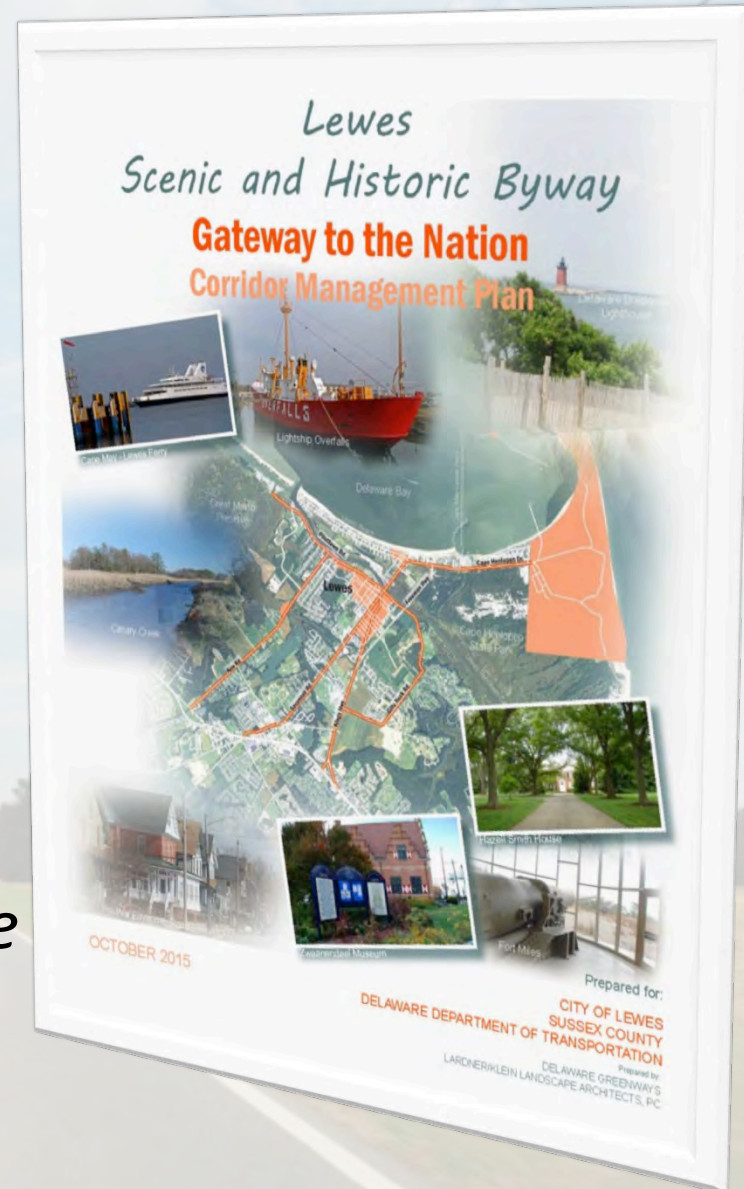
- Develop and agree upon design concepts for the corridor that reinforce the community's desired vision and character
- Identify coordinated public and private actions necessary to achieve the desired vision and character

*NOTE: The **concepts** included in the master plan are intended to guide future changes to the corridor and are not intended for design or construction exactly as shown.*

# CMP Goals

**Kings Highway:** *Guiding Development and Transportation. Use the Byway to help shape the future character of the route that is most likely to undergo the greatest amount of change.*

**Gills Neck Road:** *Retain the Historic Road Character. The northern two thirds of Gills Neck Road has a distinctive character that needs to be retained in the face of the growth and development of the southern/western third.*



# Kings Highway-Gills Neck Road

Design Elements  
Visual Preference  
from Public Meeting

# Design Elements - Coastal Gateway



Rehoboth Beach



Fenwick Island



Bethany Beach



Ocean City

# Roadway Character: 4-lanes with median



Woodlands, TX (village center)



Greenville, DE (village center)



Savannah, GA



Alexandria, VA (Washington Street)

# Roadway Character: 2-lanes with median



Watercolor, FL



Bethany Beach, DE



Muncie, IN

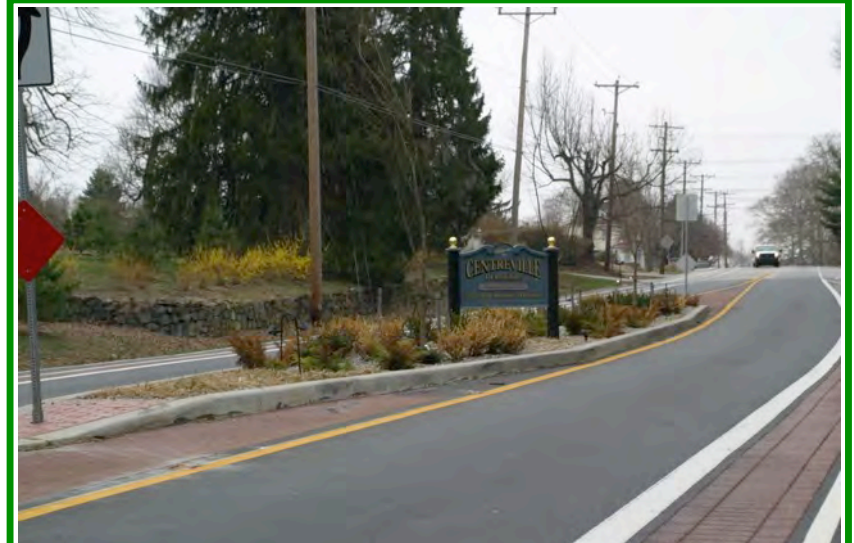


Wilmington, DE (Bancroft Parkway)

# Roadway Character: 2-lanes with splitter



Upperville, VA



Centreville, DE



Brandywine Valley Scenic Byway, DE



Low Cost Painted Median

# Roadway Character: 2-lanes with bike/ped



Ottawa, Canada



Takoma Park, MD

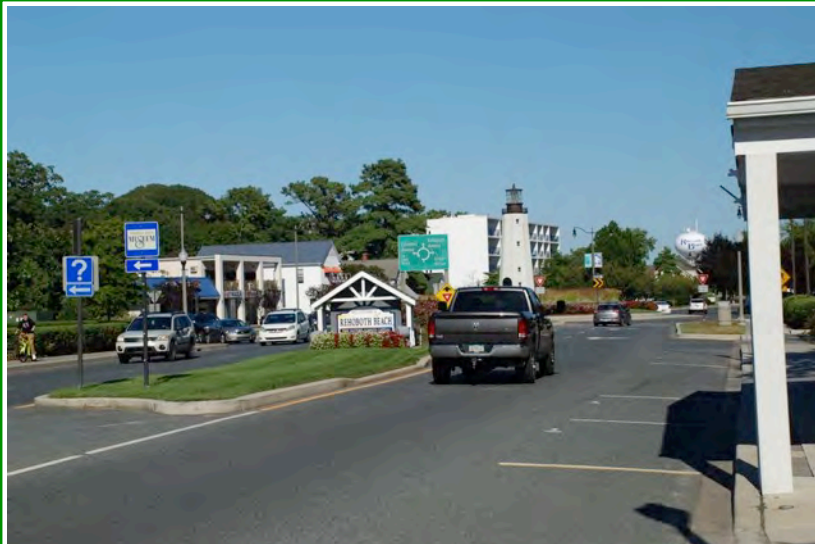


Baltimore, MD



Austin, TX

# Major Intersections (Kings Highway)



Rehoboth Beach, DE



Brooklyn, NY



Hilton Head Island, SC



Delaware Route 7

# Minor Intersections (Gills Neck)



Millstone Valley Scenic Byway, NJ



Greenville, DE (Brandywine Valley SB)



Havana, ILL (Nat. Scenic Byway)



US Route 15, VA (Nat. Scenic Byway)

# Sidewalks and Crosswalks



California Historic Route 66



Port Penn, DE (Bayshore Byway)



Freeman Highway at Munroe



Delaware CSS for Byways

# Stormwater Management



South Bethany, DE



Nashville, TN



Vienna, VA



Celebration, FL

# Commercial Signs



Chili's Franchise Sign



Lexington, VA



Keyser's Ridge, MD



Urbana, MD

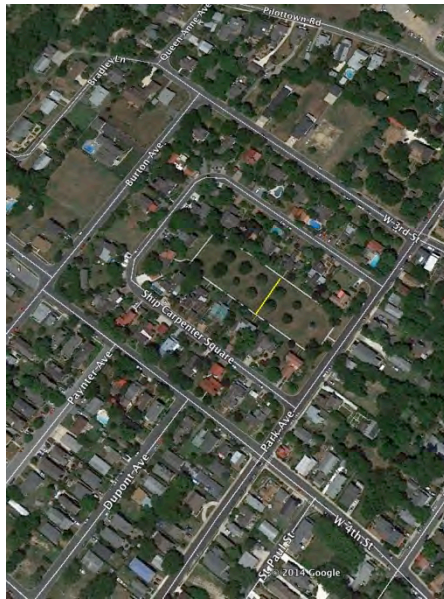
# Design Principles

- Design the corridor to reinforce the desired vision of the community
- Extend the fabric of the City of Lewes rather than the chaos of Coastal Highway
- Think “Green” - more landscape, more stormwater infiltration, more shade
- Design Kings Highway and Gills Neck for people of all ages and physical abilities using all modes of travel

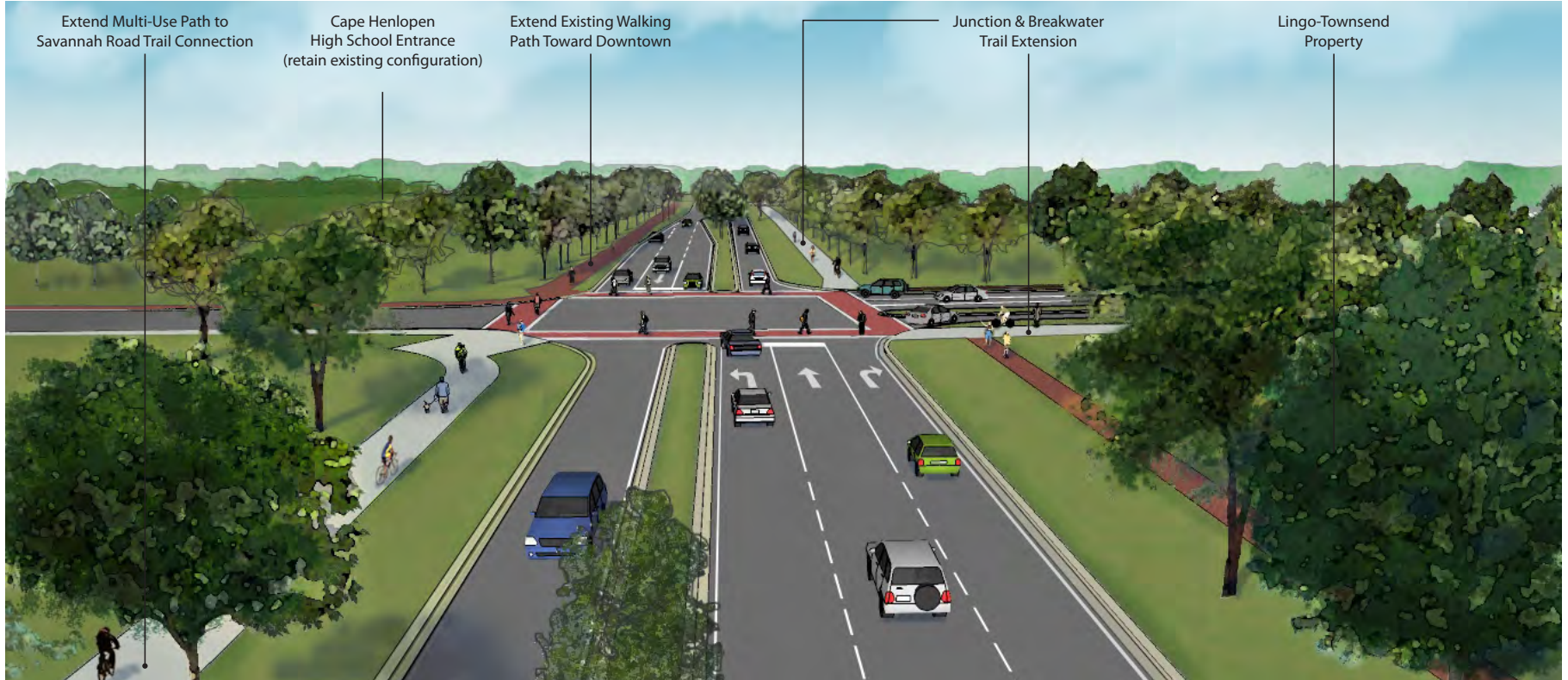
# Extend the built form of Lewes outward (CMP)



*Ship Carpenter Square*



# Desired Character (CMP)



*Lewes Historic Byway: Gateway to the Nation*

# Planned or Potential Developments



Showfield

Developable  
Land

Senators

Governors

Proposed  
Village Center

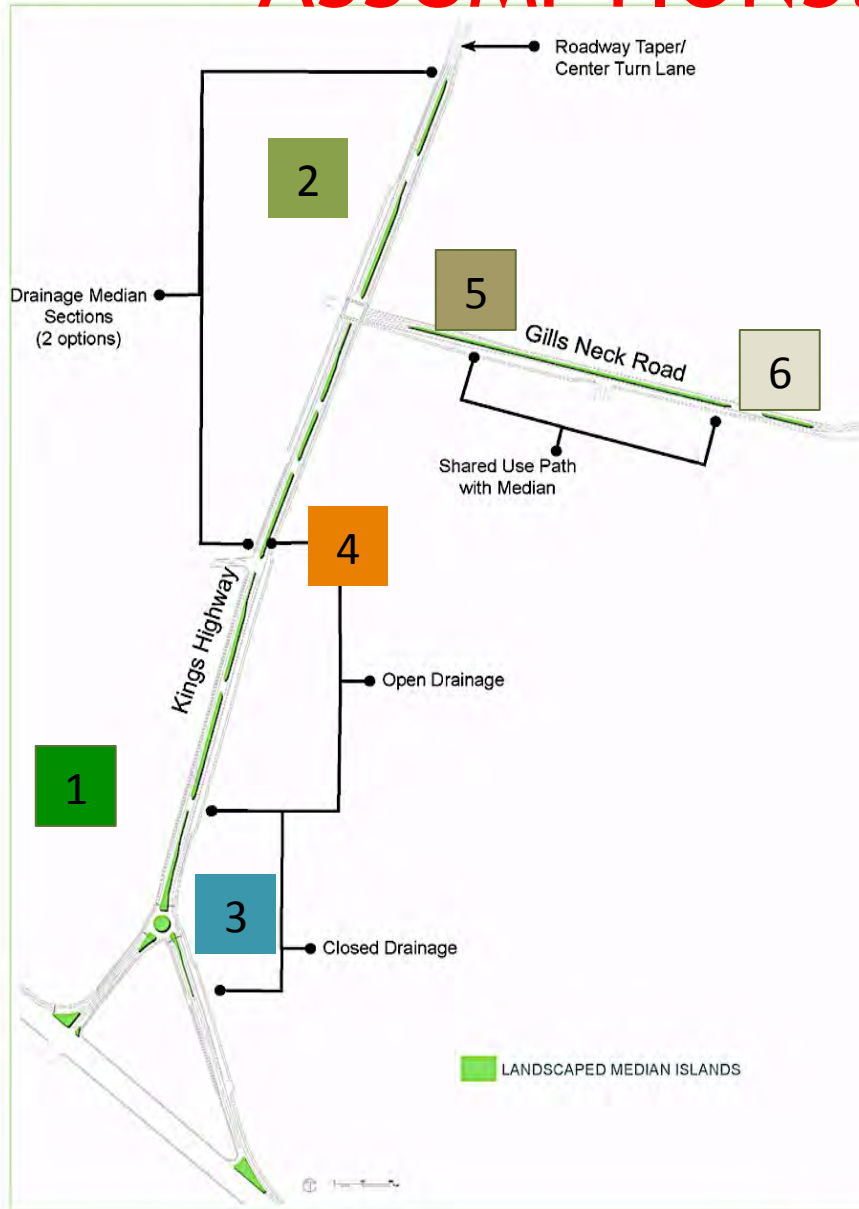
Developable  
Land

## Legend:

Approved

Planned or  
Potential

# ASSUMPTIONS: Transportation



- ① Kings Highway between Dartmouth Drive and north of Gills Neck Road: 2 travel lanes per direction, boulevard design.
- ② Kings Highway approaching Freeman Highway: one travel lane per direction with center turn lane.
- ③ Intersection with Dartmouth Drive: roundabout.
- ④ Intersection with Clay Road: Signalization
- ⑤ Gills Neck Road along proposed shopping center: 1 travel lane per direction, boulevard design
- ⑥ Rest of Gills Neck Road: 1 travel lane per direction, curve smoothing with traffic calming

**Bicycle and Pedestrian Connection to Junction & Breakwater Trail**

**Oyster Brewery**

**Senator's Roadwork at Kings Highway/Gills Neck**

**Crooked Hammock Brew Pub**

**Parsell (Access Modifications)**

**Coastal Highway Pedestrian Facilities**

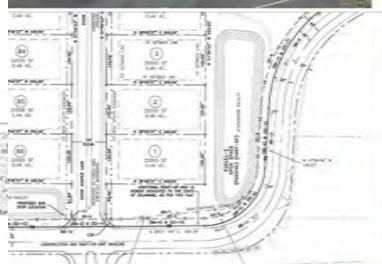
**LEGEND**

- Existing sidewalk
- Proposed sidewalk
- Existing shared-use path
- Proposed shared-use path
- Existing shared-use path
- Proposed shared-use path
- Shared-use path safety enhancements
- Boulevard
- Recent Development

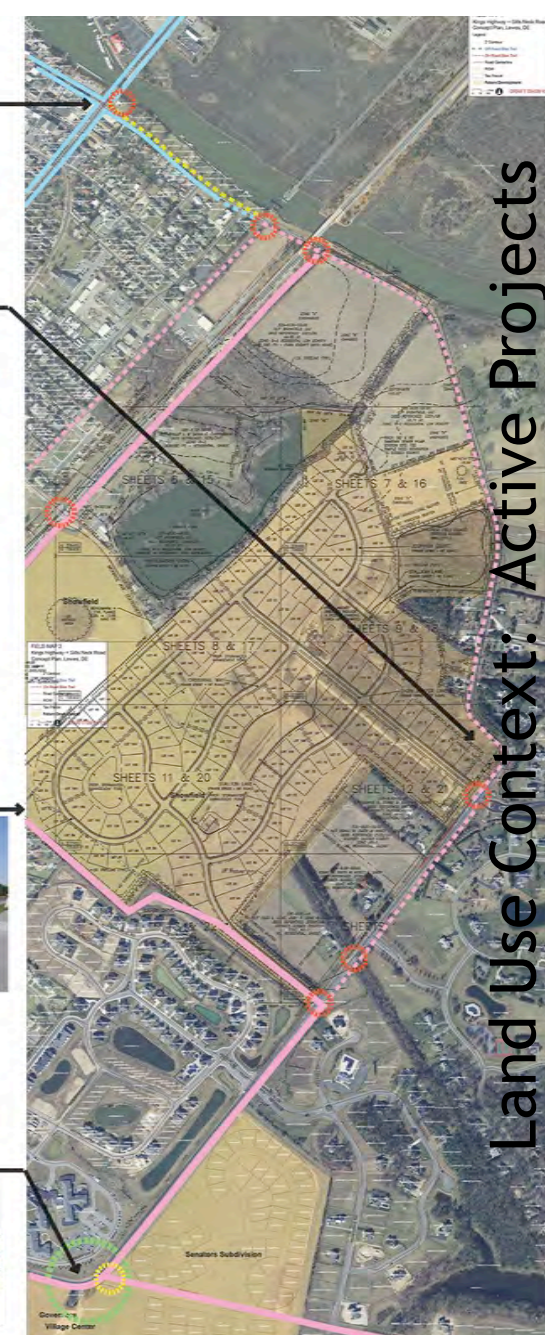
Delaware Department of Transportation  
Lardner/Klein Landscape Architects, P.C.  
in association with Delaware Greenways  
**DuPont-Lewes Rail Trail Connecting to Junction and  
Marshall Trail under Freeman Highway**



(Sussex County)

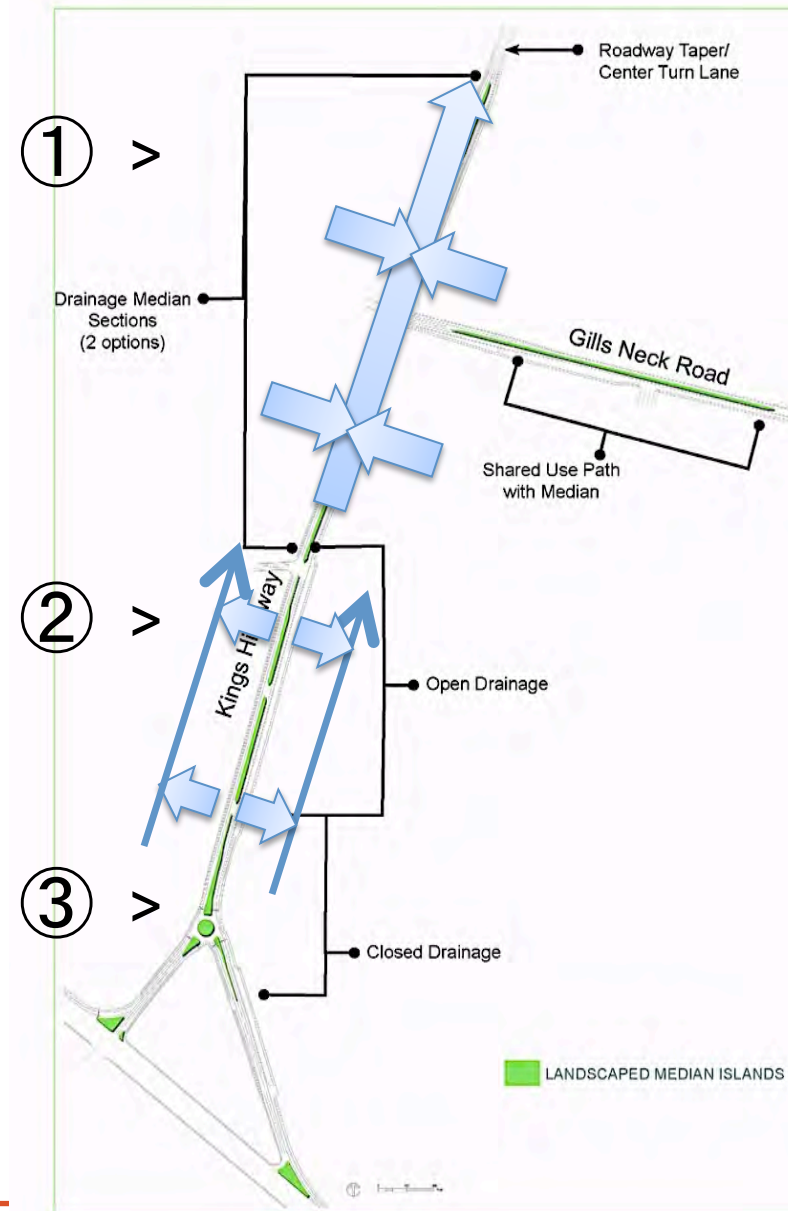


## ening at Governors



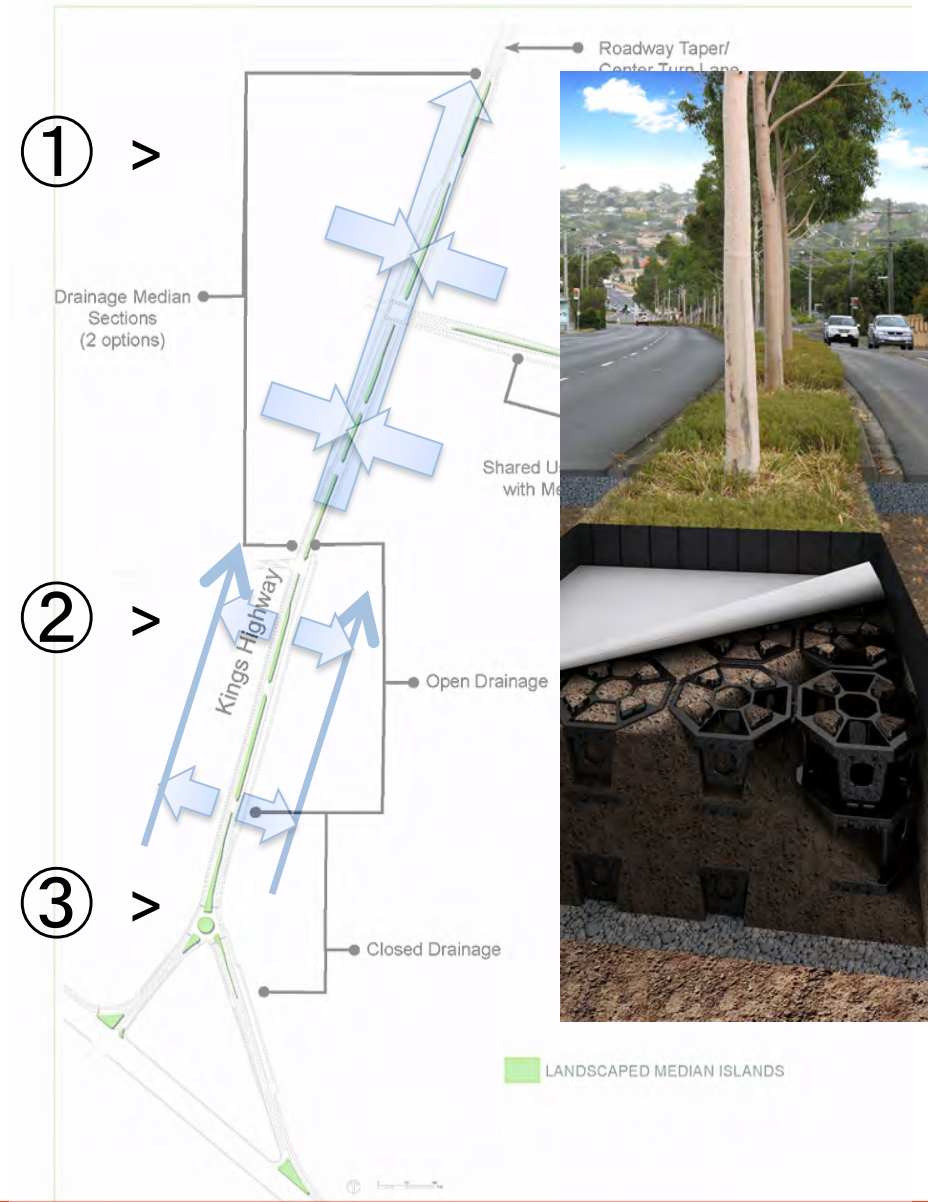
## Land Use Context: Active Projects

# ASSUMPTIONS: Kings Highway Stormwater



- ① Clay Road to Freeman- drain roadway runoff towards median and use infiltration / green infrastructure to treat runoff
- ② Dartmouth to Clay Road drain roadway runoff towards roadside areas to treat runoff
- ③ Coastal Highway to Dartmouth use curb and gutter through proposed intersection/roundabout

# ASSUMPTIONS: Kings Highway Stormwater



# Kings Highway Sections

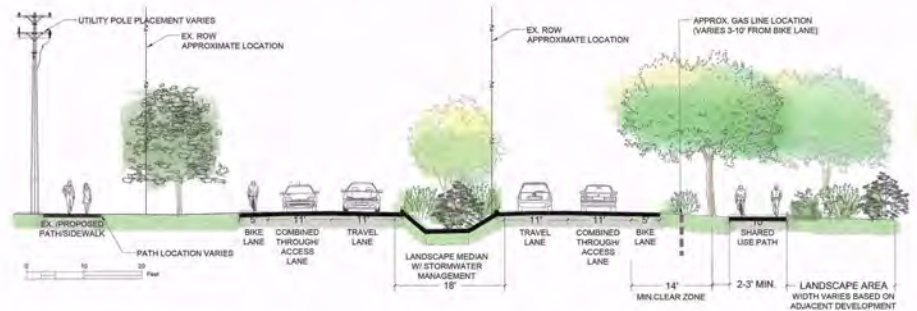
## Common Elements:

- **Posted Speed 35 mph / Design Speed 40 mph**
- **Two 11' travel lanes in each direction w/16' planted median**
- **Five foot bicycle lane in each direction**
- **10' Multi-use pathway on inbound right side from Coastal Highway to Freeman Highway**
- **5' sidewalk on outbound right side from Freeman Highway to Coastal Highway (connecting to existing 10' wide SUP at High School)**

KINGS HWY - BOULEVARD CONCEPTS - DRAFT Open Median Drainage w/Trail along Roadside and Street Trees Behind  
Lardner/Klein Landscape Architects, P.C. 04/22/16

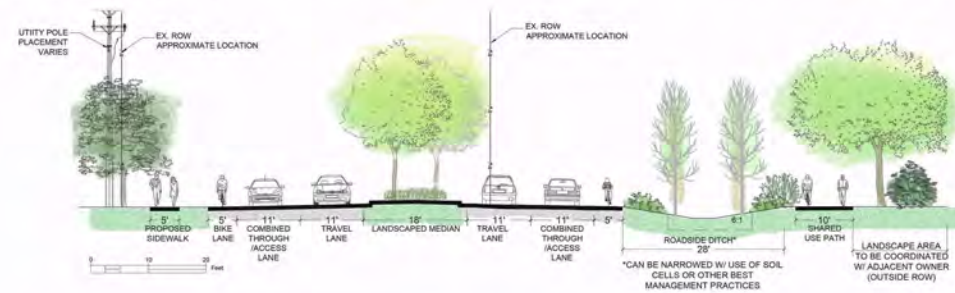


KINGS HWY - BOULEVARD CONCEPTS - DRAFT Open Median Drainage w/Street trees along Roadside and Trail Behind  
Lardner/Klein Landscape Architects, P.C. 04/22/16



KINGS HWY - BOULEVARD CONCEPTS - DRAFT  
Lardner/Klein Landscape Architects, P.C. 04/22/16

Open Roadside Drainage



# Kings Highway Sections

From Clay Road to S. Atlantic:

- Stormwater Management in Median
- Street trees adjacent to road with pathway behind

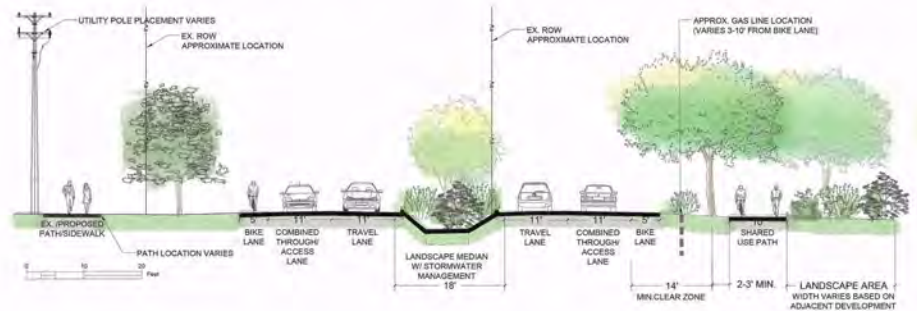
From Coastal Highway to Clay Road

- Stormwater Management adjacent to road
- Street trees in median

KINGS HWY - BOULEVARD CONCEPTS - DRAFT Open Median Drainage w/Trail along Roadside and Street Trees Behind  
Lardner/Klein Landscape Architects, P.C. 04/22/16

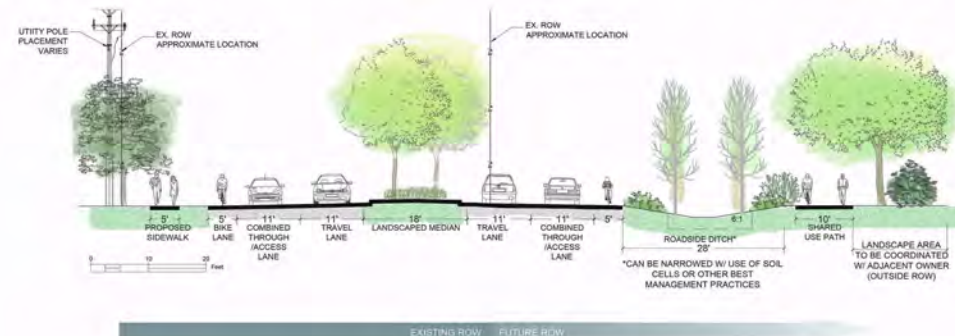


KINGS HWY - BOULEVARD CONCEPTS - DRAFT Open Median Drainage w/Street trees along Roadside and Trail Behind  
Lardner/Klein Landscape Architects, P.C. 04/08/16



KINGS HWY - BOULEVARD CONCEPTS - DRAFT  
Lardner/Klein Landscape Architects, P.C. 04/22/16

Open Roadside Drainage



# Kings Highway Concept Plan

5. Freeman to Munroe

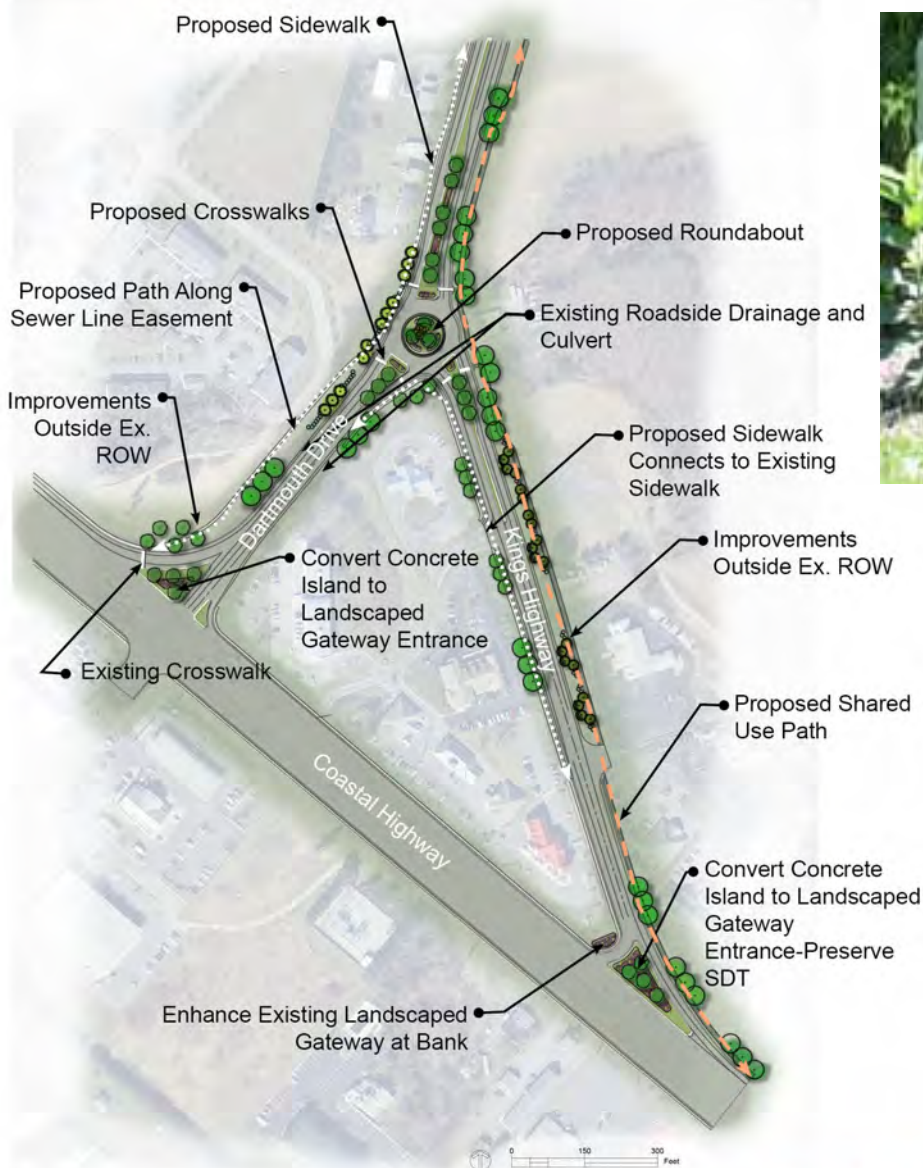
4. Gills Neck to Freeman

3. Clay Road to Gills Neck

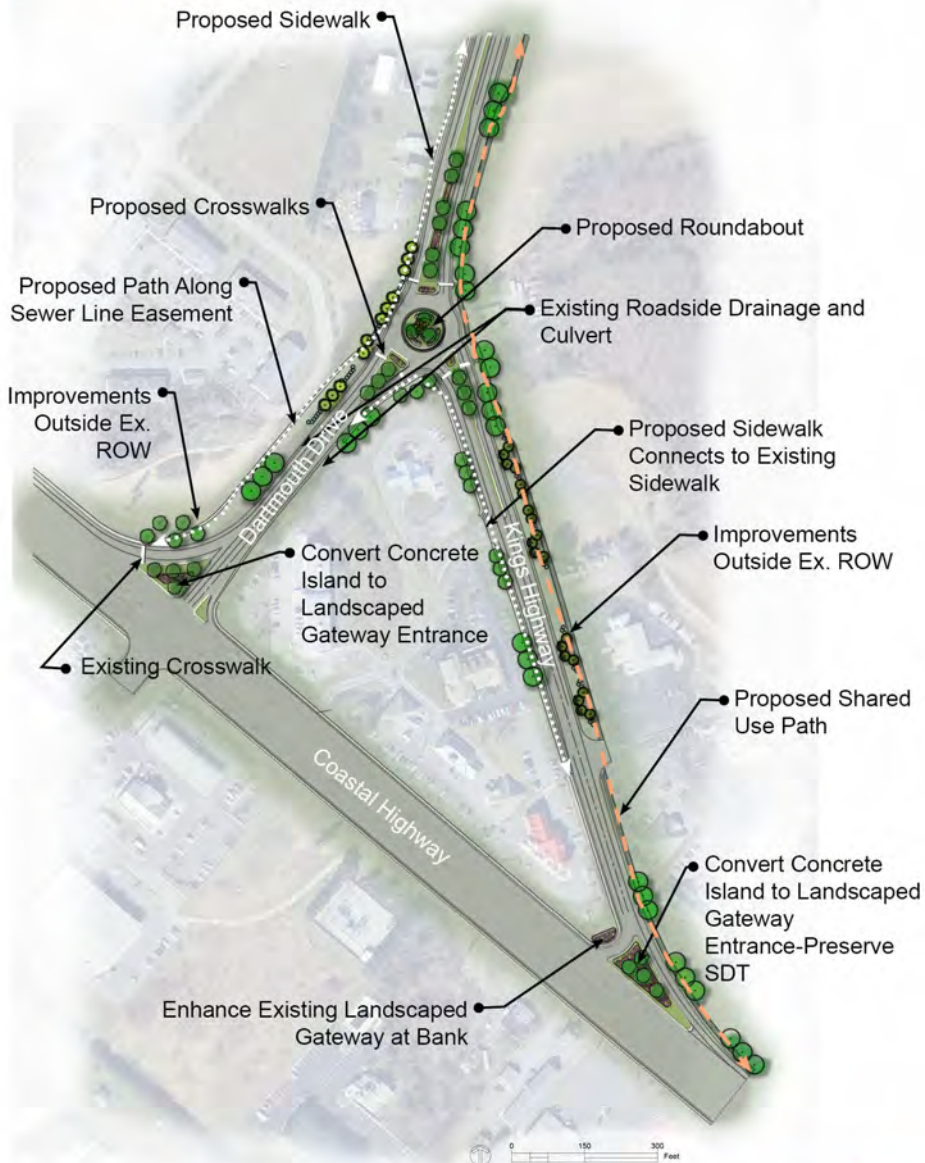
2. Dartmouth to Clay Road

1. Coastal Gateway

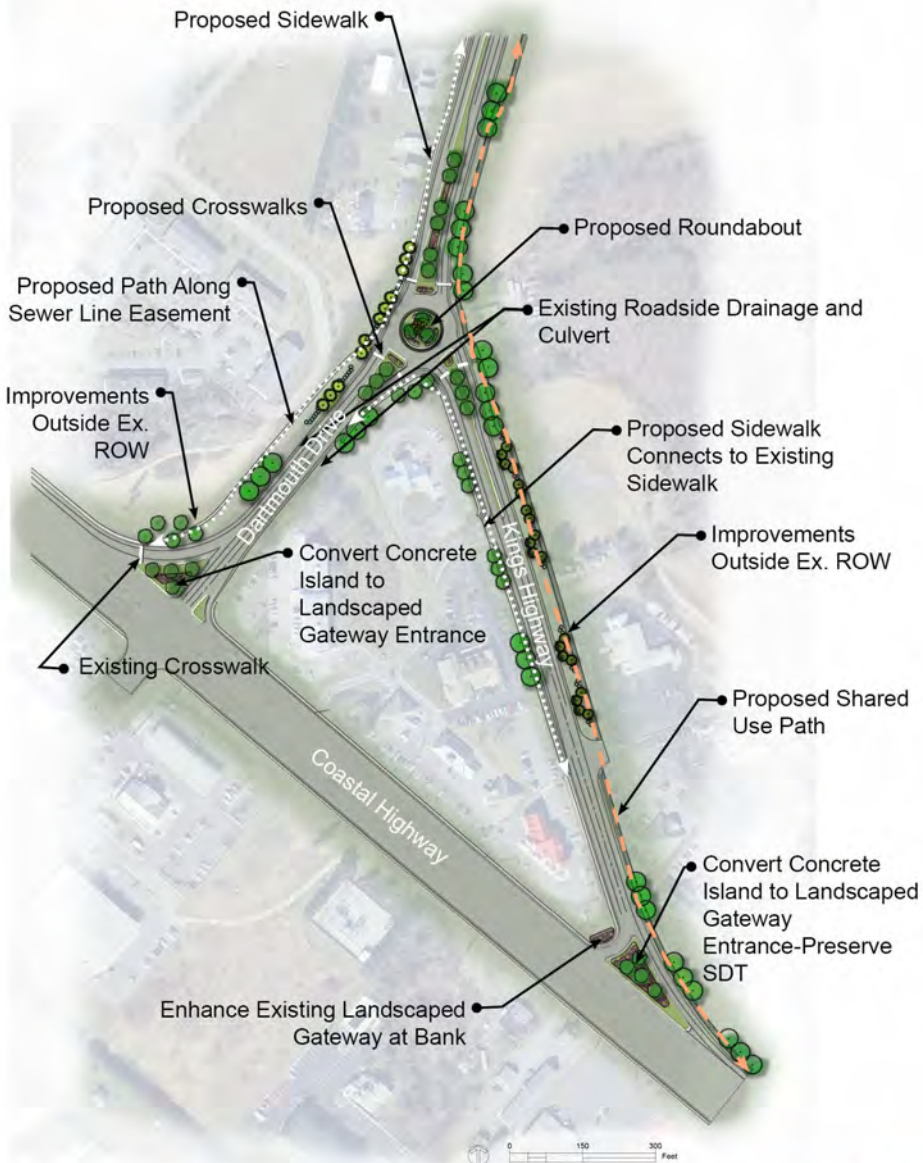
# Coastal Gateway: Adopt-a-Spot



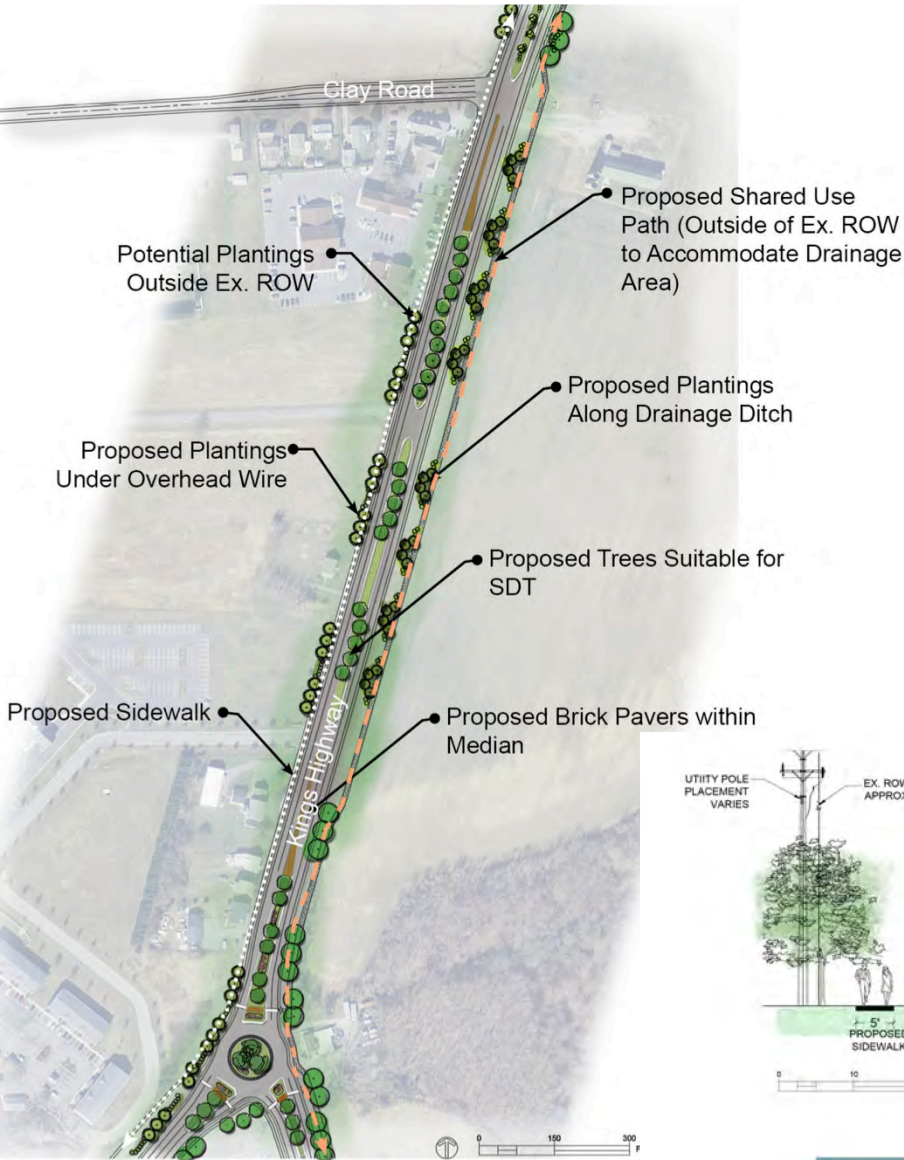
# Coastal Gateway



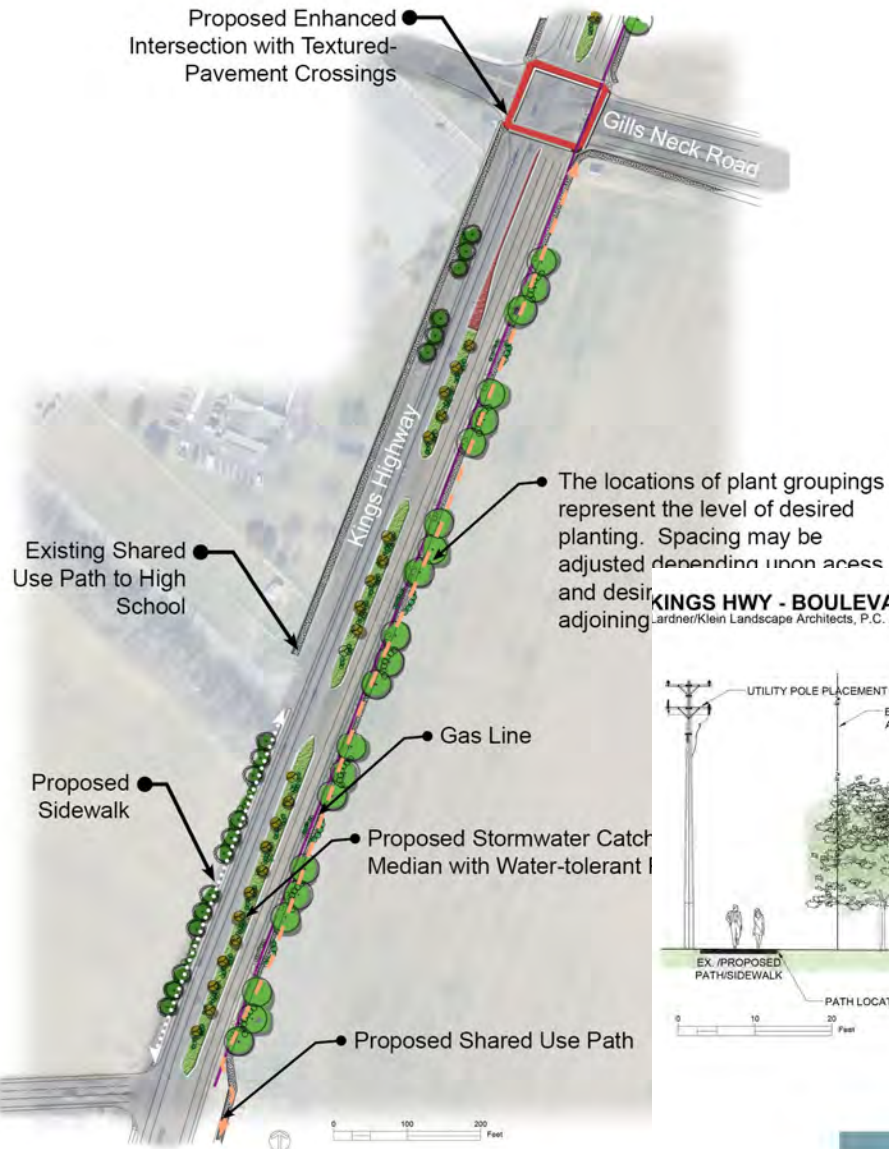
# Coastal Gateway



# Kings Highway: Dartmouth - Clay Road

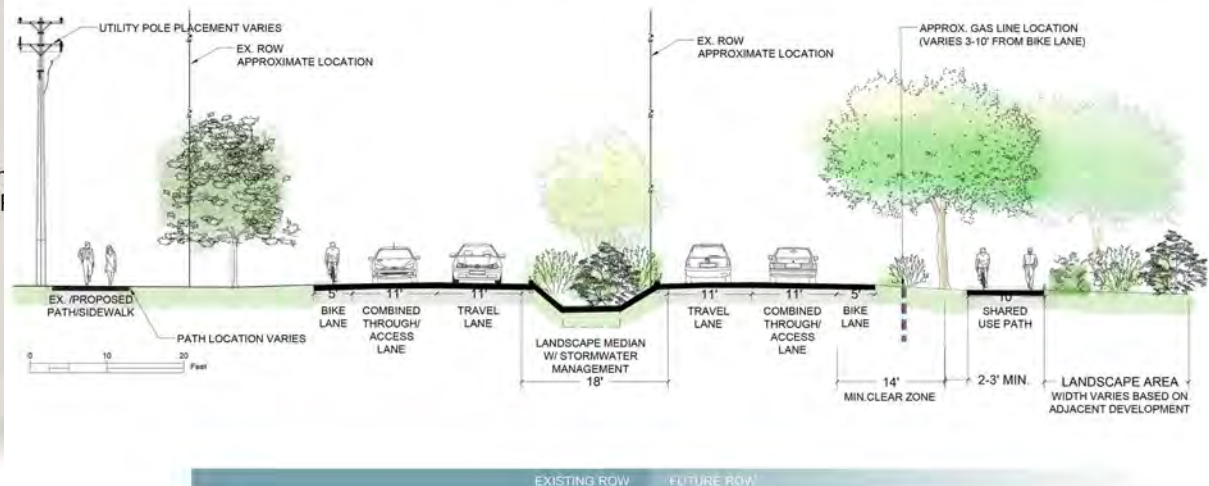


# Kings Highway: Clay Road - Gills Neck

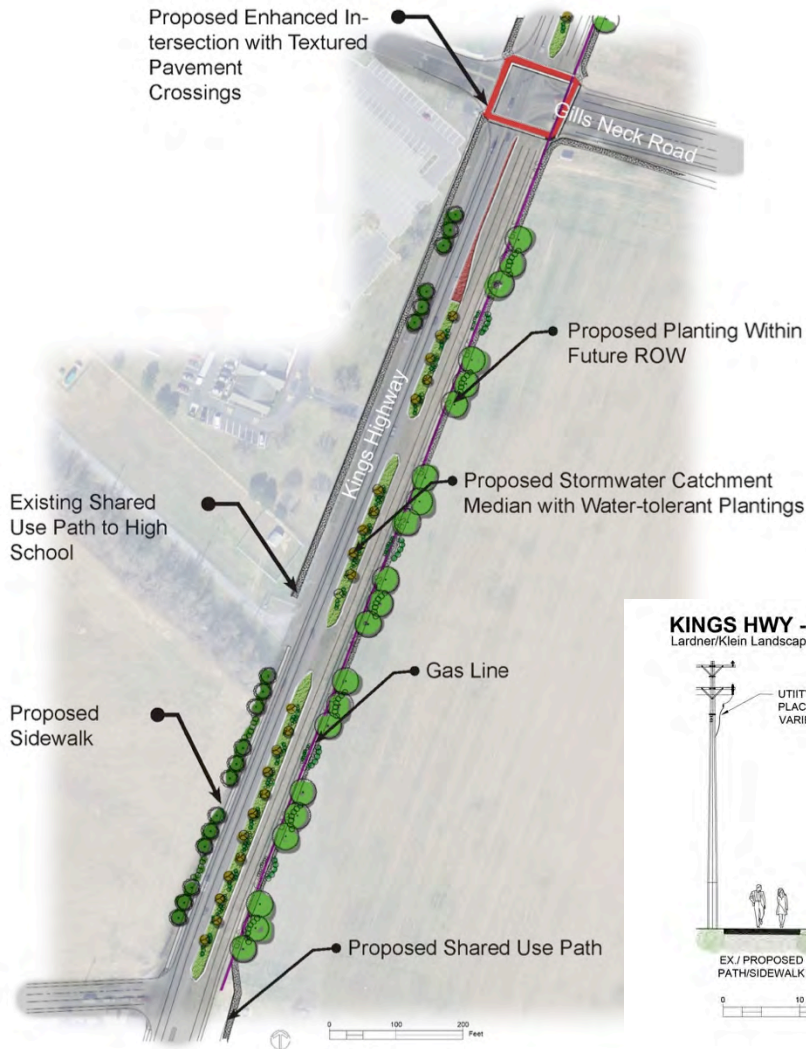


**KINGS HWY - BOULEVARD CONCEPTS - DRAFT**  
Gardner/Klein Landscape Architects, P.C. 04/08/16

Open Median Drainage w/Street trees along Roadside and Trail Behind



# Kings Highway: Clay Road - Gills Neck



## KINGS HWY - BOULEVARD CONCEPTS - DRAFT

Lardner/Klein Landscape Architects, P.C. 04/22/16

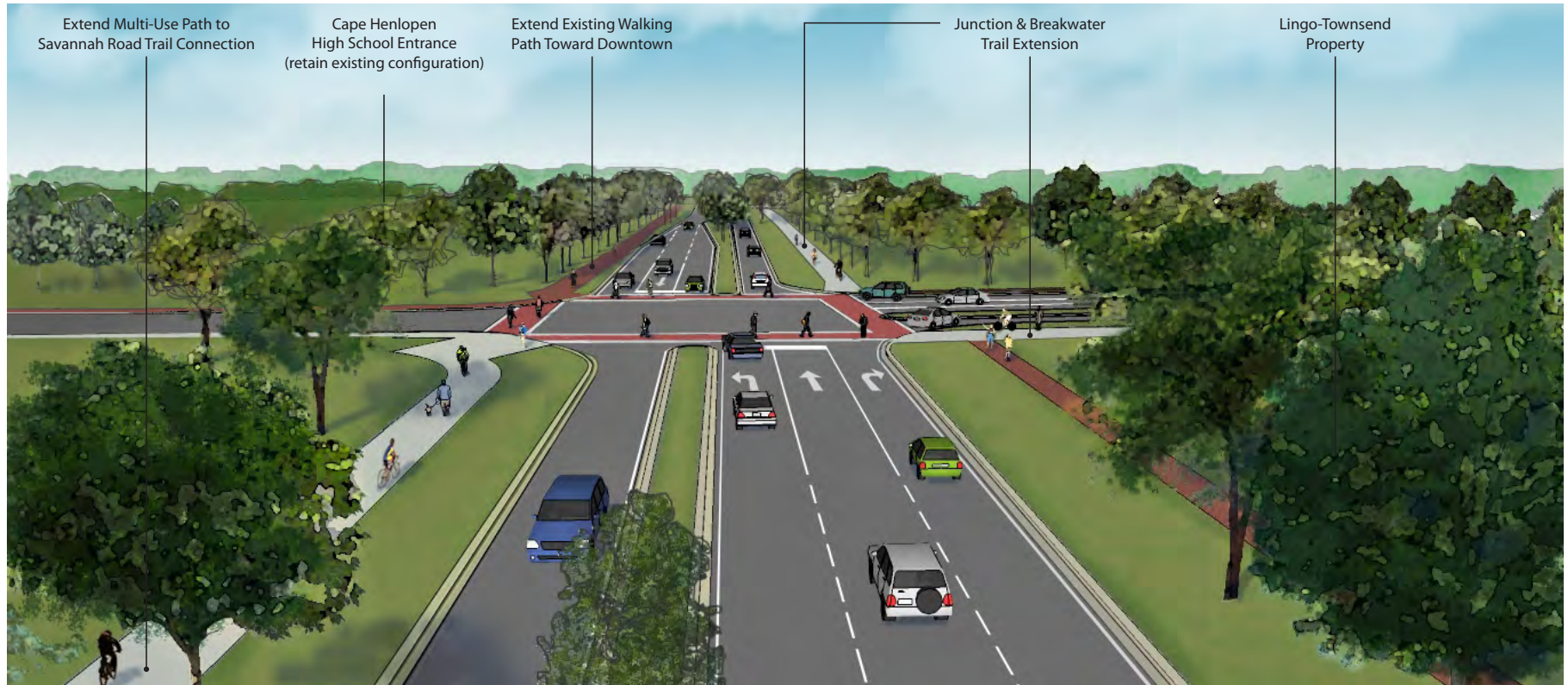
### Open Median Drainage w/Trail along Roadside and Street Trees Behind



# Kings Highway: Clay Road - Gills Neck



# Kings Highway: Gills Neck Intersection



*Lewes Historic Byway: Gateway to the Nation*

# Kings Highway: Gills Neck Intersection

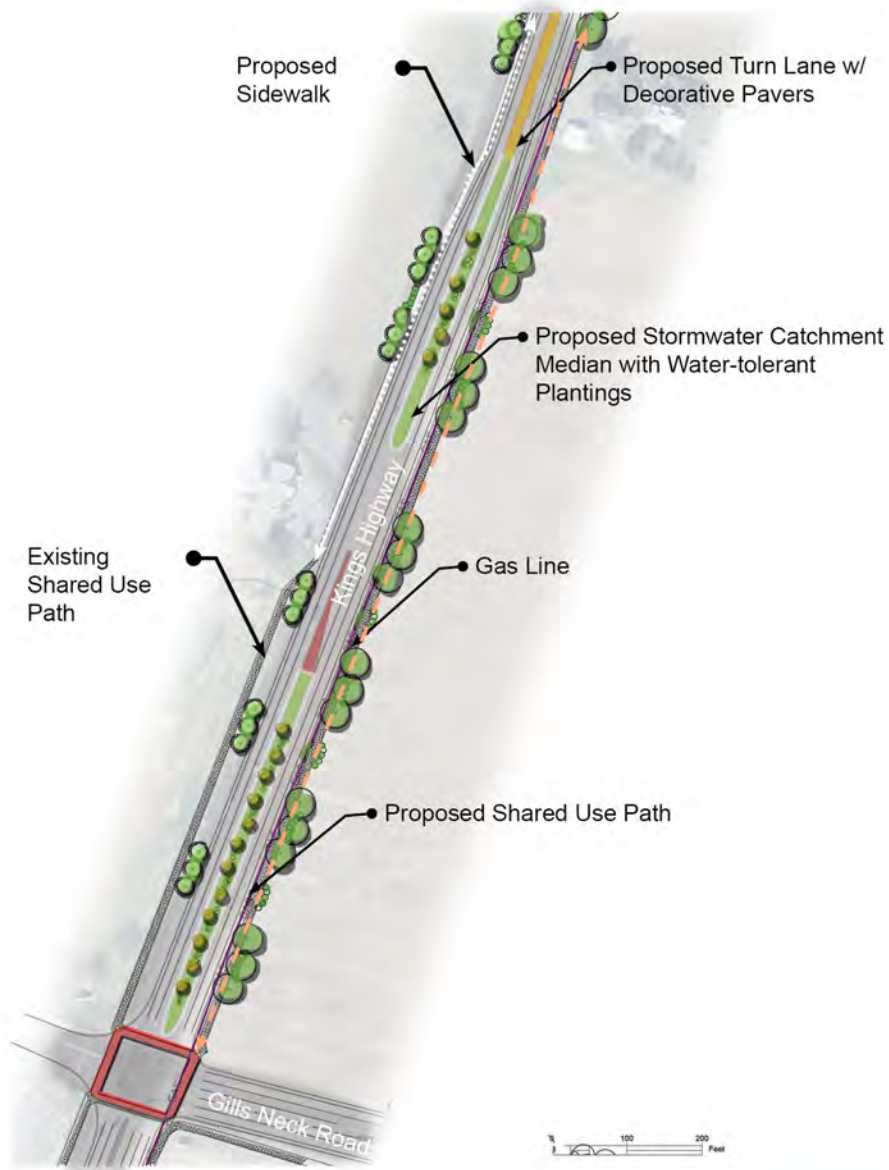
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*Lewes Historic Byway: Gateway to the Nation*

# Kings Highway: Gills Neck to Freeman Hwy



*Lewes Historic Byway: Gateway to the Nation*

# Kings Highway – at Freeman Hwy



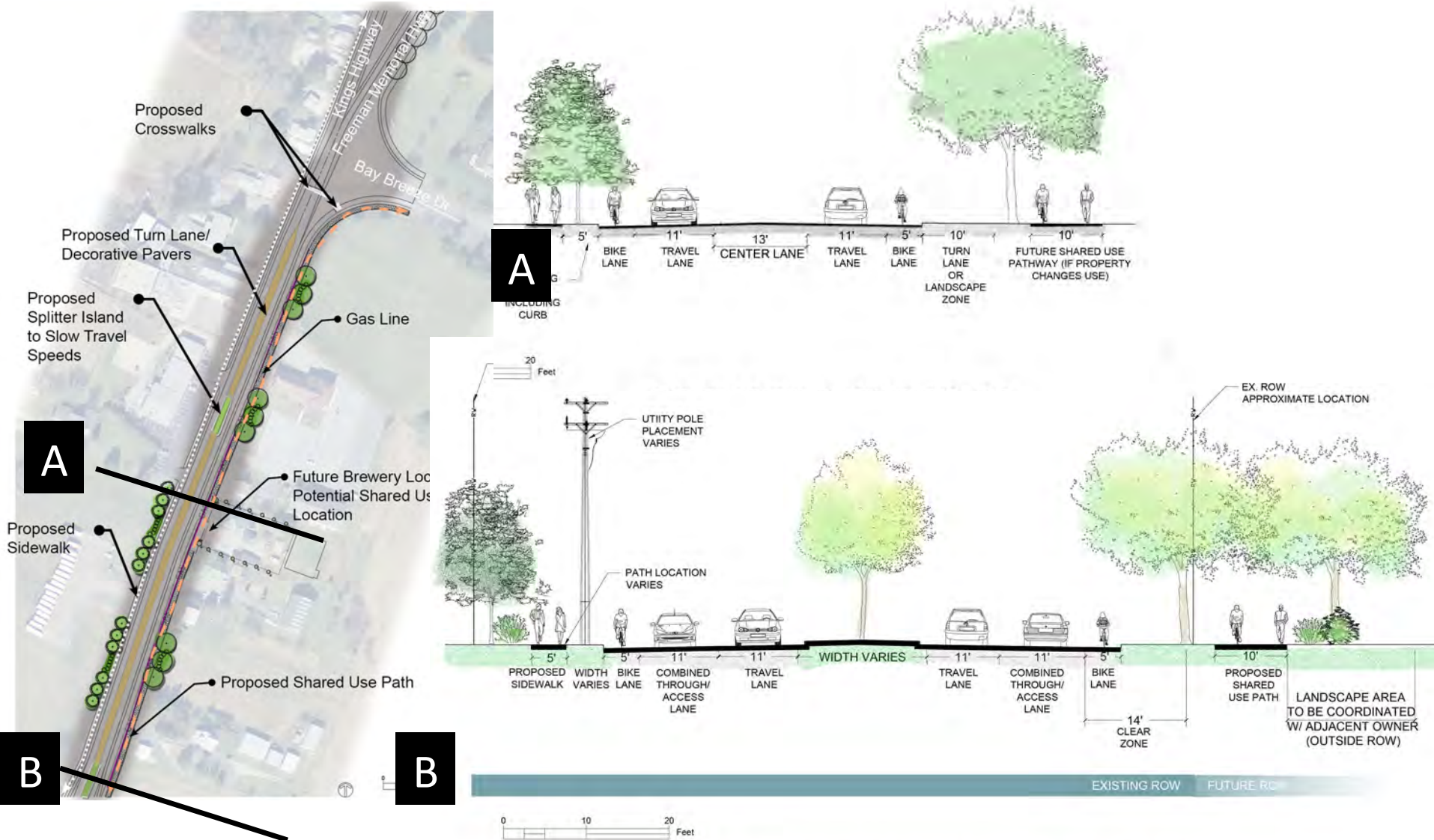
Kings Highway - one lane  
each direction (ORANGE)

Freeman Highway - one  
lane in each direction -  
then widens to two (RED)

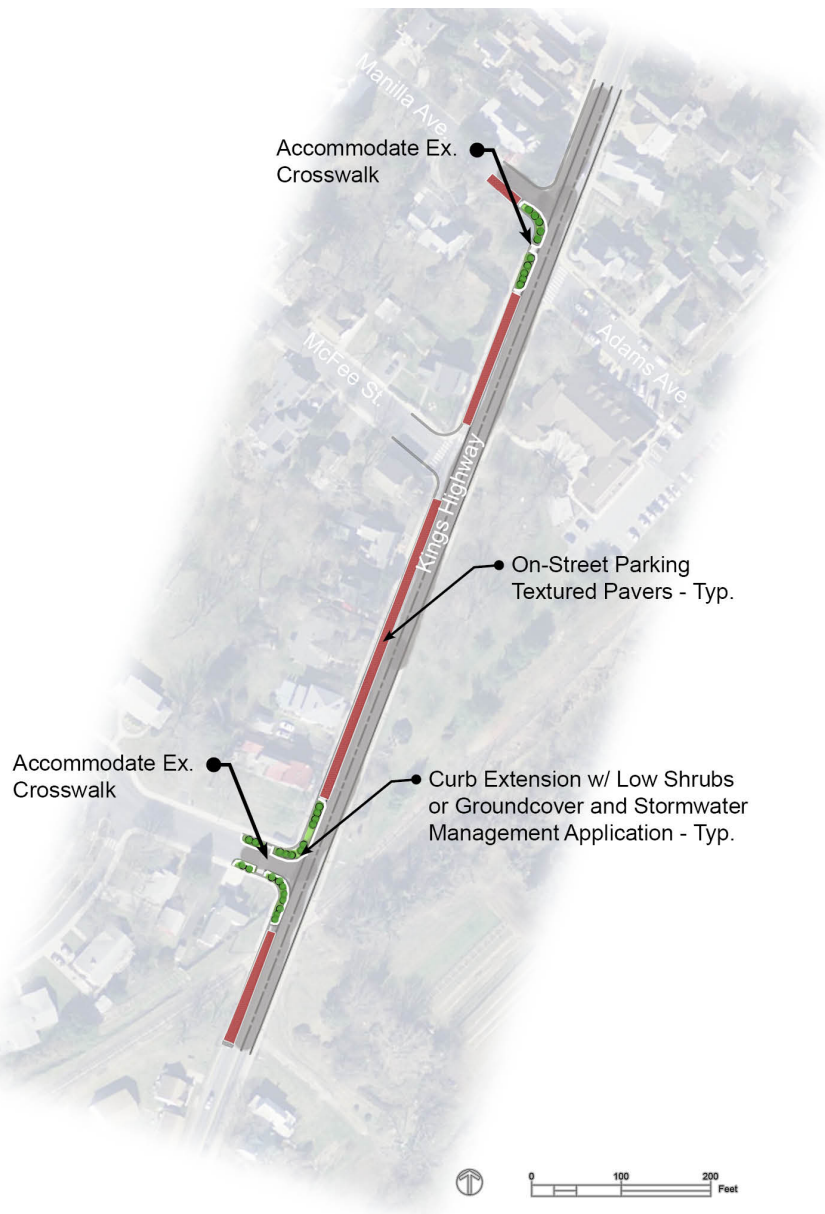
Gateway Intersection with  
turning movements shown

Kings Highway - one lane  
in each direction  
(ORANGE)

# Kings Highway – approaching Freeman Highway



# Kings Highway – Freeman Highway to Savannah Ro



*Lewes Historic Byway: Gateway to the Nation*

# Gills Neck Concept Plan



6. Freeman Hwy./J&B Trailhead

5 Hazell Smith / Future Showfield

4. Two Curves/Wolf Pointe

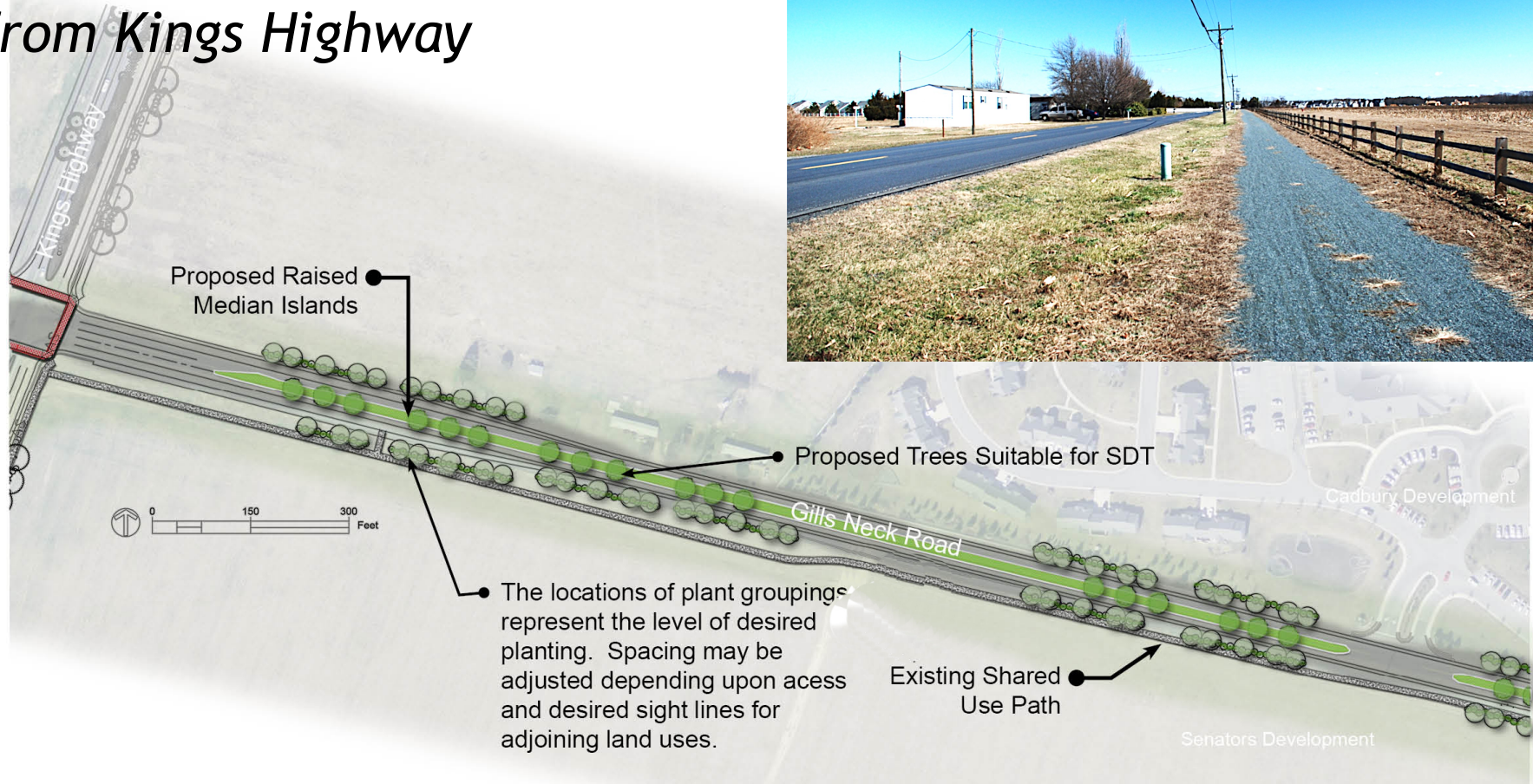
3. J&B Trail Crossing/Hawkseye

2. Curve at Senators

1. Kings Highway to Cadbury

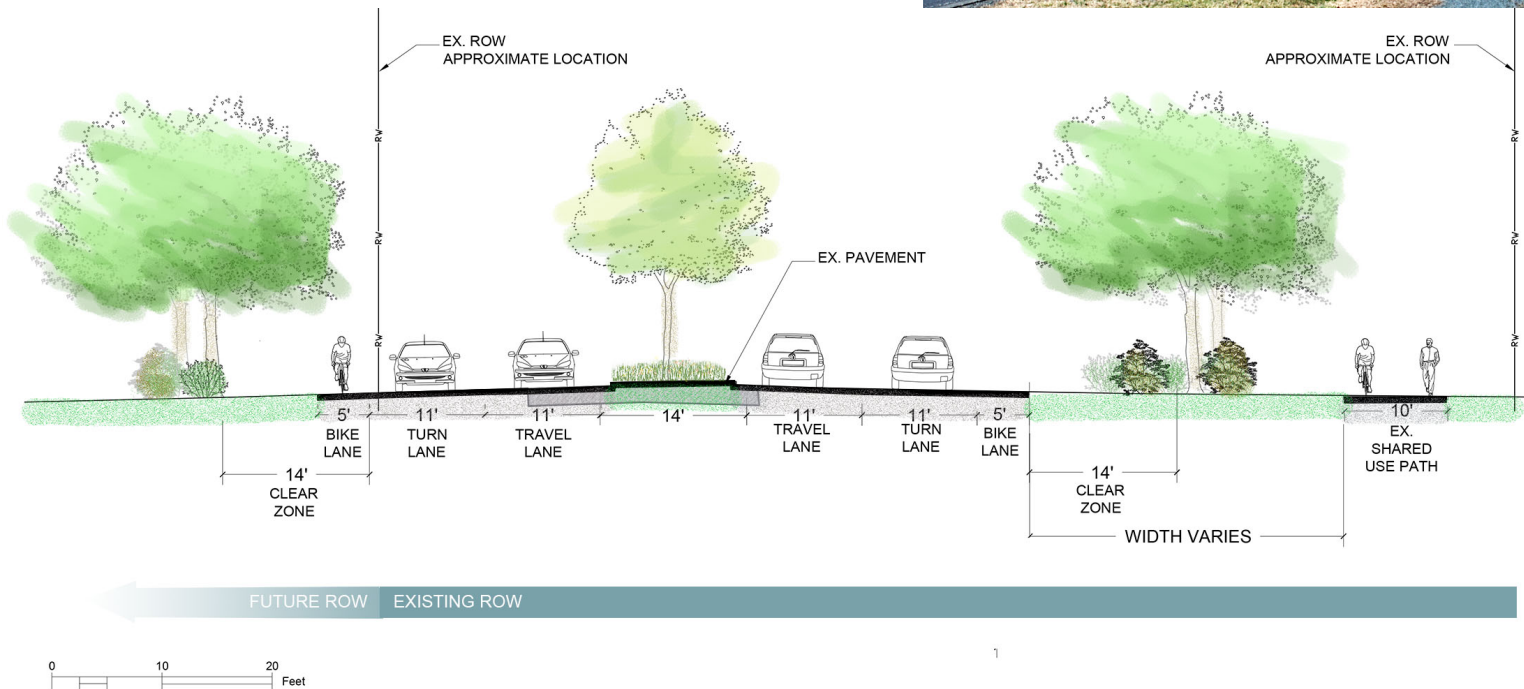
# Gills Neck: Kings Highway to Cadbury

*Use median and landscape elements to narrow the wide open look approaching Cadbury from Kings Highway*

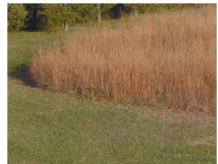
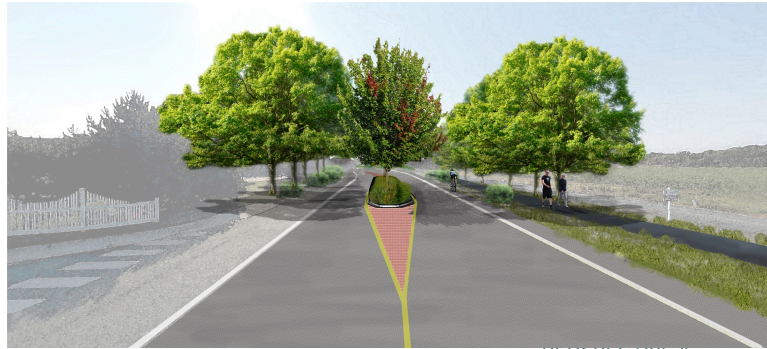


# Gills Neck: Kings Highway to Cadbury

*Use median and landscape elements to narrow the wide open look approaching Cadbury from Kings Highway*



# Gills Neck: Curve at Senators

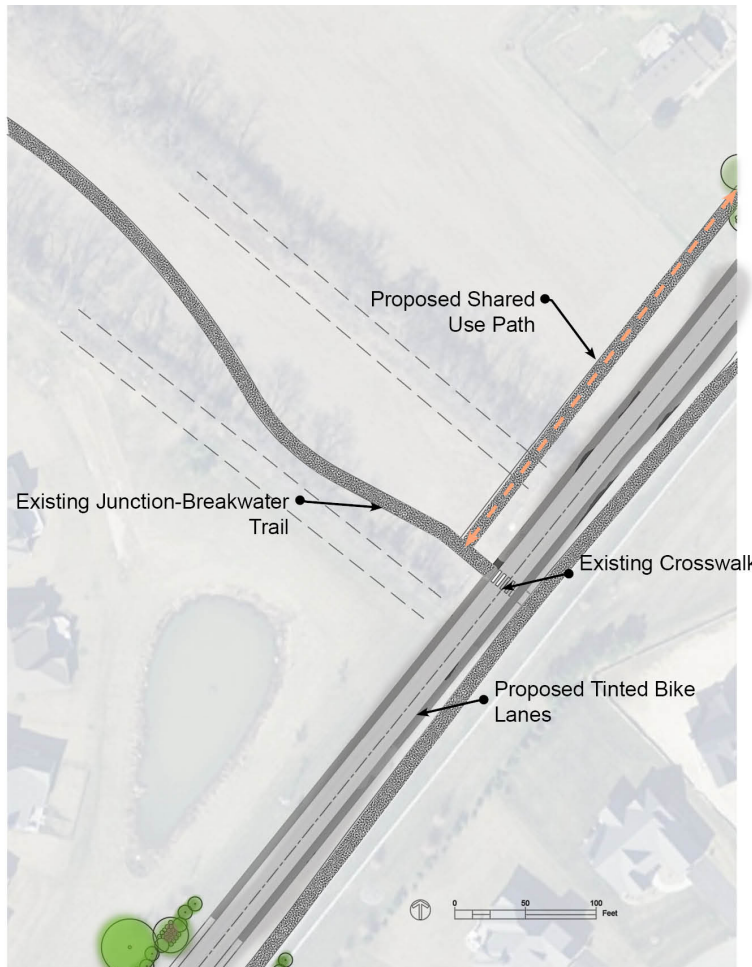


LARDNER/KLEIN LANDSCAPE ARCHITECTS, PC

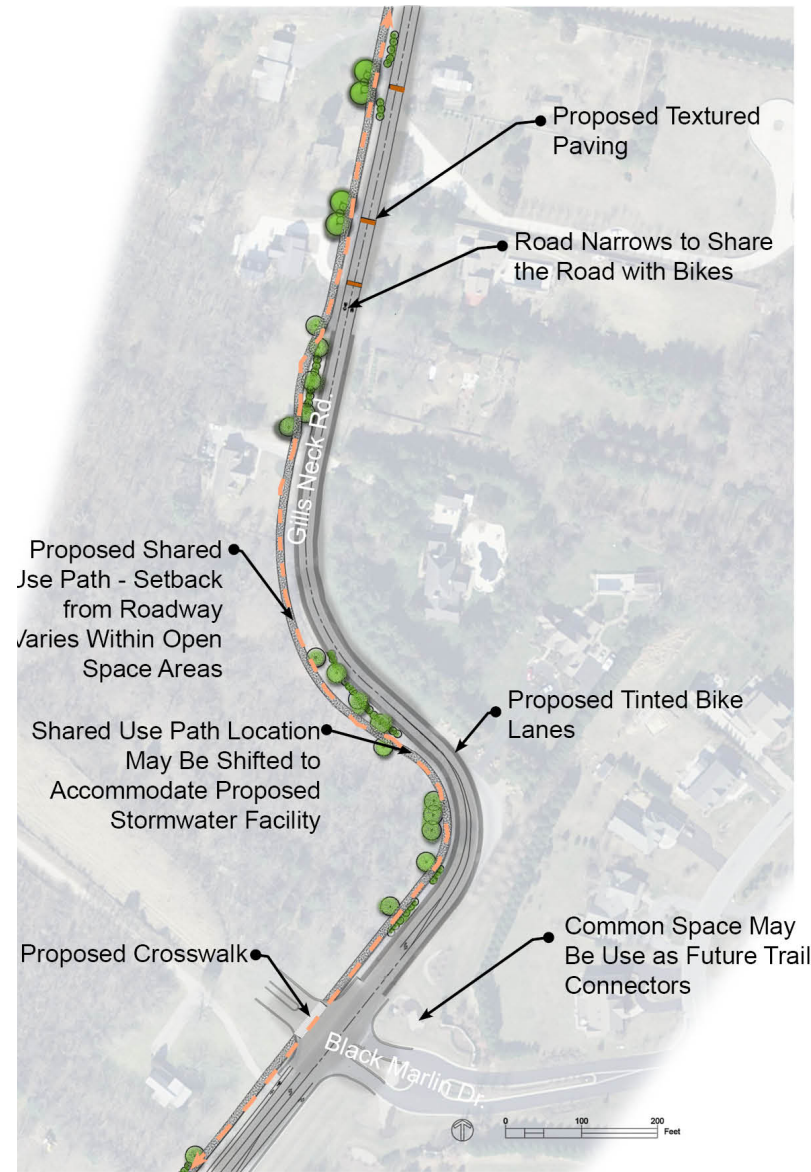
# Gills Neck Curve at Senators



# Gills Neck - Junction & Breakwater Crossing

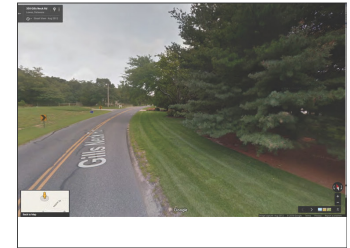
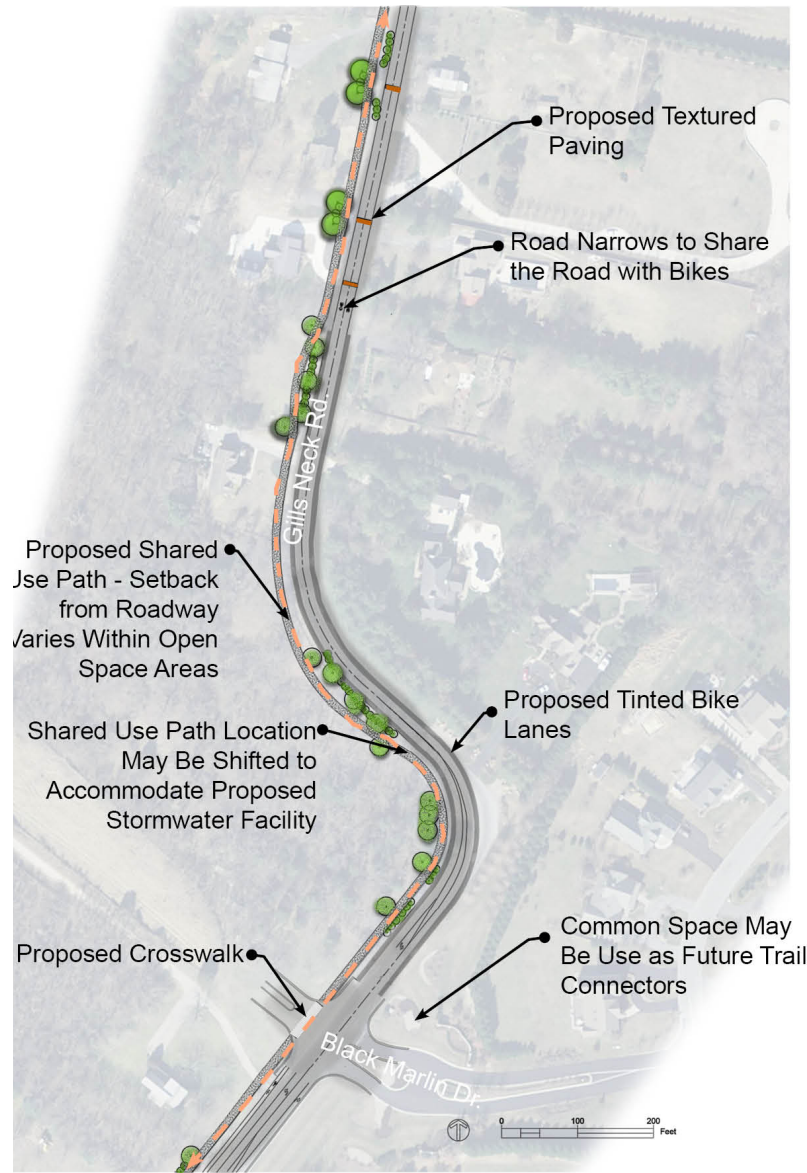


# Gills Neck: Two curves at Wolfe Pointe

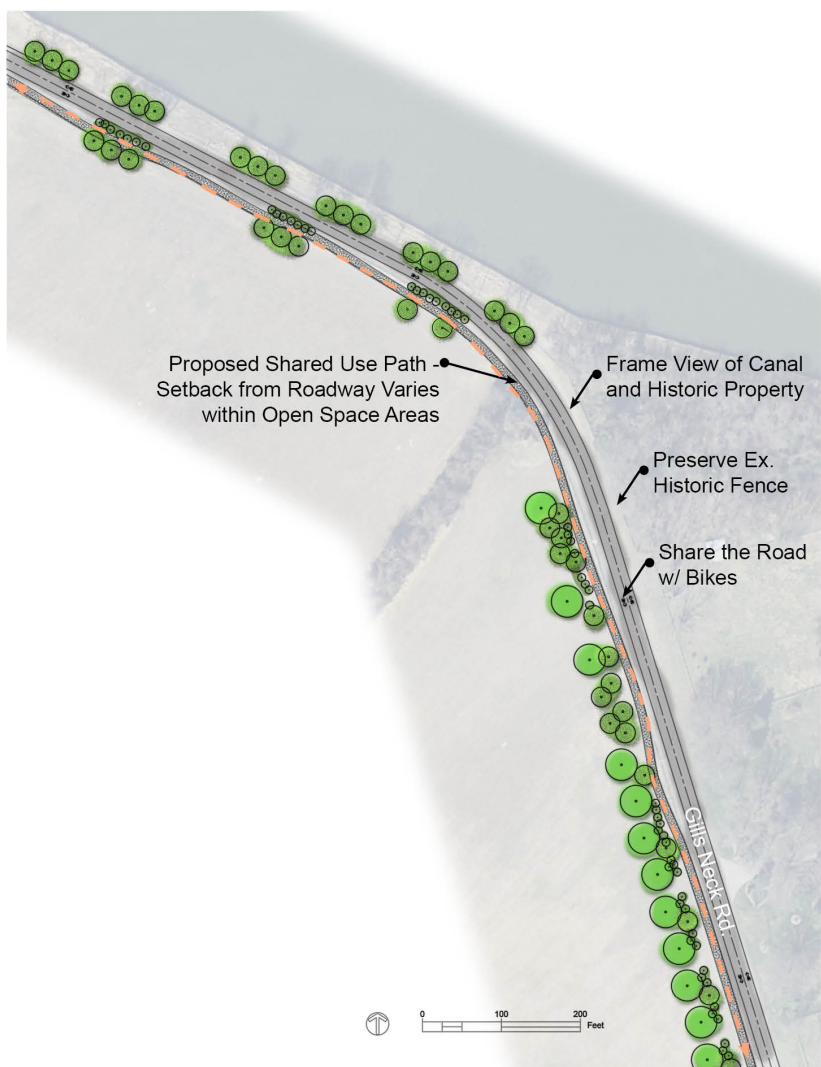


Install traffic calming measures approaching and through curves (textured paving strips reinforced with tree groupings spaced increasing closer to curve) to alert driver of curve ahead and create “visual friction” to give driver more clues to slow down

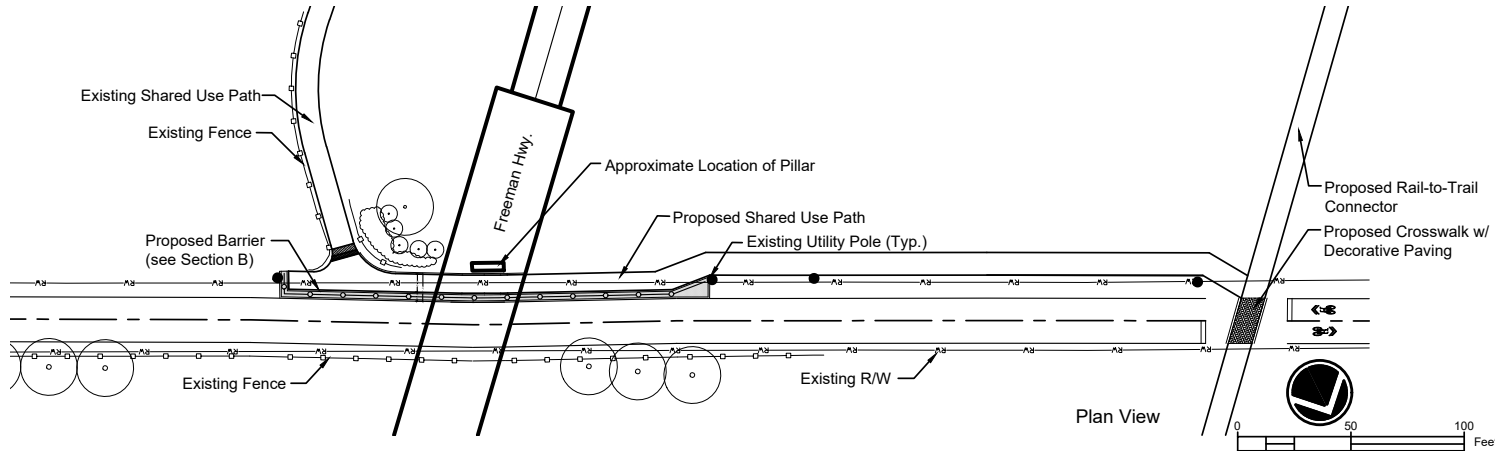
# Gills Neck: Two curves at Wolfe Pointe



# Gills Neck: Hazell Smith / Future Showfield



# Gills Neck: Freeman Hwy. / J&B Trailhead



**A** Perspective Looking Northwest  
(Timber Railing Option)



# Gills Neck: at Canal

- Connect shared use pathway along Gills Neck to combination of City sidewalk and share roadway as interim multi-modal connection to downtown Lewes



# Next Steps

- Review input from today's meeting
- Prepare Draft Master Plan
- Review with Byway Committee, City and County
- Release Draft Master Plan for public review